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L1: Entry 1 of 1

File: DWPI

Feb 9, 1984

DERWENT-ACC-NO: 1984-037752

DERWENT-WEEK: 198407

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TITLE: Microbicidal agents esp. food machinery disinfectants - contg. organic acid  
e.g. tartaric or benzoic acid and alkyl-sulphonate or alkyl-sulphate

INVENTOR: BEILFUSS, W; DAHMCKE, W ; HOFFLER, J ; ZERLING, W

PRIORITY-DATA: 1982DE-3229097 (August 4, 1982)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 3229097 A	February 9, 1984	N/A	031	N/A
<u>CA 1244759 A</u>	November 15, 1988	N/A	000	N/A
DE 3229097 C	May 29, 1991	N/A	000	N/A
IT 1212086 B	November 8, 1989	N/A	000	N/A
ZA 8305608 A	February 27, 1984	N/A	000	N/A

INT-CL (IPC): A01N 25/30; A01N 37/00; A01N 41/02; A61K 0/00; C11D 3/48

ABSTRACTED-PUB-NO: DE 3229097A

## BASIC-ABSTRACT:

New agents contain (A) organic acids and (B) sec. and/or prim. 8-18C  
alkyl-sulphonates and/or -sulphates the cation of which is derived from alkali  
metals, amino or ammonium gps.

Suitable organic acids include opt. substd. aliphatic, aromatic and heterocyclic  
carboxylic acids contg. 1-4 COOH gps.; and CH- and NH-acidic cpds. Partic. prefd.  
are acids having pKa of 2-6, esp. tartaric acid, benzoic acid, and substd. benzoic  
acids. Pref. alkyl-sulphonates and -sulphates are those contg. 10-16 (esp. 12-14)  
C-atoms. The ratio of sulphonate or sulphate to organic acid is generally 50:1 to  
1:50, pref. 9:1 to 1:9, esp. 9:1 to 1:1 w/w. The pH of the ready-to-use soln. is  
pref. 0.1-5, esp. 2-4. The soln. advantageously contains lower mono- or  
poly-hydric alcohols to dissolve insoluble acids.

Broad-spectrum microbial and virucidal prepn. which are rapid acting at low  
concns., have no acute toxicity and are practically odour-free, and are therefore  
suitable for use in the food sector, e.g. are disinfectants for food-processing  
equipment.

ABSTRACTED-PUB-NO:

DE 3229097C EQUIVALENT-ABSTRACTS:

Compsn. for disinfecting surfaces comprises (A) 10-18C alkyl sulphonates and/or  
sulphates; (B) L(+) tartaric acid; (C) Benzoic and/or furan-2-carboxylic acid;  
and (D) inert carrier, esp. filler.

The wt. ratio A:(B+C) = 1:1 to 9:1. When the compsn. is liq., (D) is pref. water  
or aq. alcohol and when the compsn. is solid, (D) is pref. Na<sub>2</sub>SO<sub>4</sub>.

USE/ADVANTAGE - The compsn. is bactericidal and also fungicidal, and active at 18  
deg C. It is suitable for use in the food industry, being non-toxic and without  
smell. It has a viricidal effect. It is active against eg. Staphylococcus, Coli,

smell. It has a viricidal effect. It is active against eg. Staphylococcus, Coli, Pseudomonas aureus, Penicillin, Aspergillus niger, Candida albicans, and poliovirus.

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L2: Entry 1 of 1

File: DWPI

DERWENT-ACC-NO: 1966-07032F

DERWENT-WEEK: 196800

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TITLE: Bactericidal ammonium and amine salts

PRIORITY-DATA: 1961FR-0880091 (November 25, 1961)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>FR 1696 M</u>		N/A	000	N/A
BE 624917 A		N/A	000	N/A

ABSTRACTED-PUB-NO: FR 1696M

## BASIC-ABSTRACT:

I Ammonium or amine salts of esters of mineral acids and 8-18C fatty alcohols as bactericides in anti-infectious chemotherapy.

Ammonium and triethanolamine laurylsulphate.

II Pharmaceutical compositions contng. I in concn. of 1-0.2% in aqs. soln. for sterilisation of skin and natural cavities by contact with the aqs. soln.

Antibacterial action reinforced by physico-chemical action giving wetting, penetration of treated region with fragilisation, unsticking and partial removal of scabs, pus and mortified part with uniform distribution and contact of the soln. with micro-organisms. Active against gram positive germs, esp. pathogenic staphylococci in diln. of 1 part per 1500 and against gram negative germs, esp. proteins in diln. of 1 part per 5000 and E. coli in diln. of 1 part per 1500.

Antiseptic for external use (surgery, dermatology), or internal use (otorhino-larynlogy, urology, gynaecology, gastro-enterology and proctology).